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Abstract

A focusing method for a moving object that involves using a gray histogram and a histogram projection drawing to analyze the serial images taken by a photographic instrument, taking a pattern from the images of the serial images, comparing every image of the serial images by means of pattern matching, and eventually generating a new pattern. Given the patterns and the updated patterns that are in sequential order, discrepancies between a pattern and an updated pattern can be found by comparison so as to acquire the information about the dynamic movement of the moving object.